We claim:

1. A method of communicating data between a device and a host apparatus through a USB interface comprising the steps of:

transmitting a first packet from the device to the host apparatus, the first packet being erroneously recognized by the host apparatus as a first type of packet;

receiving a second packet from the host apparatus at the device in response to the first packet; and

transmitting a third packet from the device to the host apparatus, the third packet being the first type of packet, in response to receiving the second packet from the host apparatus.

2. The method of claim 1, wherein the first type of packet is a STALL packet.

3. The method of claim 2, wherein the second packet is a clear feature command packet.

4. The method of claim 3, wherein the method further comprises the step of:

receiving a fourth packet from the host apparatus at the device, the fourth packet being a clear feature command packet, the fourth packet transmitted from the host apparatus in response to receiving the third packet from the device..

5. The method of claim 4, wherein the method further comprises the step of:

transmitting status information from the device to the host apparatus, in response to receiving the fourth packet from the host apparatus.

6. The method of claim 5, wherein a type of the first packet transmitted from the device is an ACK packet or a NAK packet.

7. The method of claim 6, wherein the data communications is performed using USB Mass Storage Class Bulk Only Mode.

8. A method of communicating data between a device and a host apparatus through a USB interface comprising the steps of:

transmitting a first request for data from the host apparatus to the device;

receiving a first packet from the device at the host apparatus in response to the first request for data;

transmitting a second request for data from the host apparatus to the device, in response to receiving the first packet from the device; and

receiving a second packet from the device at the host apparatus in response to the second request for data;

9. The method of claim 8, wherein the first packet is transmitted from the device as an ACK packet or a NAK packet, but the host apparatus erroneously recognizes the first packet as a STALL packet.

10. The method of claim 9, wherein the second packet is a STALL packet.

11. The method of claim 10, wherein the method further comprises the step of:

transmitting a clear feature command packet from the host apparatus to the device, in response to receiving the second packet from the device..

12. The method of claim 11, wherein the method further comprises the step of:

receiving status information from the device at the host

apparatus, the status information transmitted from the device in response to receiving the clear feature command packet from the host apparatus.

13. The method of claim 6, wherein the data communications is performed using USB Mass Storage Class Bulk Only Mode.

14. A method of communicating data between a device and a host apparatus through a USB interface comprising the steps of:

counting a number of STALL packets transmitted from the device to the host apparatus;

counting a number of clear feature command packets received from the host apparatus; and

determining a number of times a phase failure has occurred based on the difference between the number of STALL packets transmitted from the device to the host apparatus and the number of clear feature command packets received from the host apparatus.

15. The method of claim 14, further comprising the step of:

using the number of times a phase failure has occurred to perform self-diagnosis of the device.

16. The method of claim 15, wherein the step of using the number of times a phase failure has occurred to perform self-diagnosis of the device comprises the step of:

displaying an alarm on the device based on the number of times a phase failure has occurred.

17. The method of claim 15, wherein the step of using the number of times a phase failure has occurred to perform self-diagnosis of the device comprises the step of:

displaying an alarm on the host apparatus based on the number of times a phase failure has occurred.

18. In a device operable to communicate data with a host apparatus through a USB interface, apparatus comprising:

a packet detector operable to detect a second packet from the host apparatus, the second packet transmitted from the host device in response the host device receiving a first packet from the device, the first packet being erroneously recognized by the host apparatus as a first type of packet; and

a packet transmitter operable to transmit a third packet to the host apparatus, the third packet being the first type of packet, in response to receiving the second packet from the host apparatus.

19. The apparatus of claim 18, wherein the first type of packet is a STALL packet.

20. The apparatus of claim 19, wherein the second packet is a clear feature command packet.

21. The apparatus of claim 20, wherein the packet detector is further operable to receive a fourth packet from the host apparatus, the fourth packet being a clear feature command packet, the fourth packet transmitted from the host apparatus in response to receiving the third packet from the device..

22. The apparatus of claim 21, further comprising:

circuitry operable to transmit status information to the host apparatus, in response to receiving the fourth packet from the host apparatus.

23. The apparatus of claim 22, wherein a type of the first packet transmitted from the device is an ACK packet or a NAK packet.

24. The apparatus of claim 23, wherein the data communications is performed using USB Mass Storage Class Bulk Only Mode.

25. In a host apparatus operable to communicate data with a device through a USB interface, apparatus comprising:

transmitting circuitry operable to transmit a first request for data to the device;

receiving circuitry operable to receive a first packet from the device in response to the first request for data;

transmitting circuitry operable to transmit a second request for data to the device, in response to receiving the first packet from the device; and

receiving circuitry operable to receive a second packet from the device in response to the second request for data.

26. The apparatus of claim 25, wherein the first packet is transmitted from the device as an ACK packet or a NAK packet, but the host apparatus erroneously recognizes the first packet as a STALL packet.

27. The apparatus of claim 26, wherein the second packet is a STALL packet.

28. The apparatus of claim 27, wherein the apparatus further comprises:

transmitting circuitry operable to transmit a clear feature command packet to the device, in response to receiving the second packet from the device..

29. The apparatus of claim 28, wherein the apparatus further comprises:

receiving circuitry operable to receive status information from the device, the status information transmitted from the device in response to receiving the clear feature command packet from the host apparatus.

30. The apparatus of claim 29, wherein the data communications is performed using USB Mass Storage Class Bulk Only Mode.

31. In a device operable to communicate data with a host apparatus through a USB interface, apparatus comprising:

a counting unit operable to count a number of STALL packets transmitted from the device to the host apparatus;

a counting unit operable to count a number of clear feature command packets received from the host apparatus; and

a determining unit operable to determine a number of times a phase failure has occurred based on the difference between the

number of STALL packets transmitted from the device to the host apparatus and the number of clear feature command packets received from the host apparatus.

32. The apparatus of claim 14, further comprising:

a self-diagnosis unit operable to use the number of times a phase failure has occurred to perform self-diagnosis of the device.

33. The method of claim 15, wherein the self-diagnosis unit comprises:

an alarm unit operable to display an alarm on the device based on the number of times a phase failure has occurred.

34. The method of claim 15, wherein the self-diagnosis unit comprises:

an alarm unit operable to display an alarm on the host apparatus based on the number of times a phase failure has occurred.